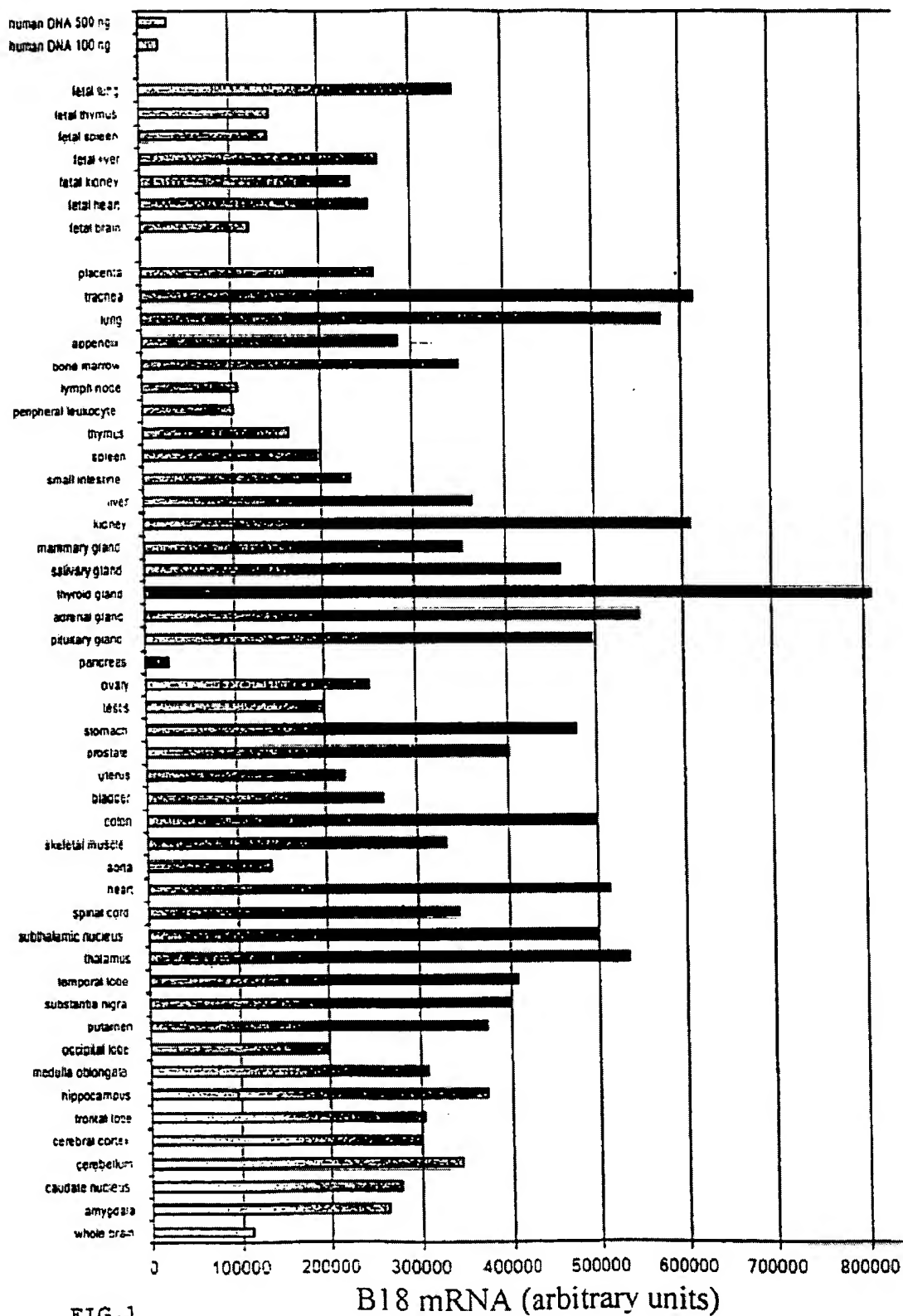


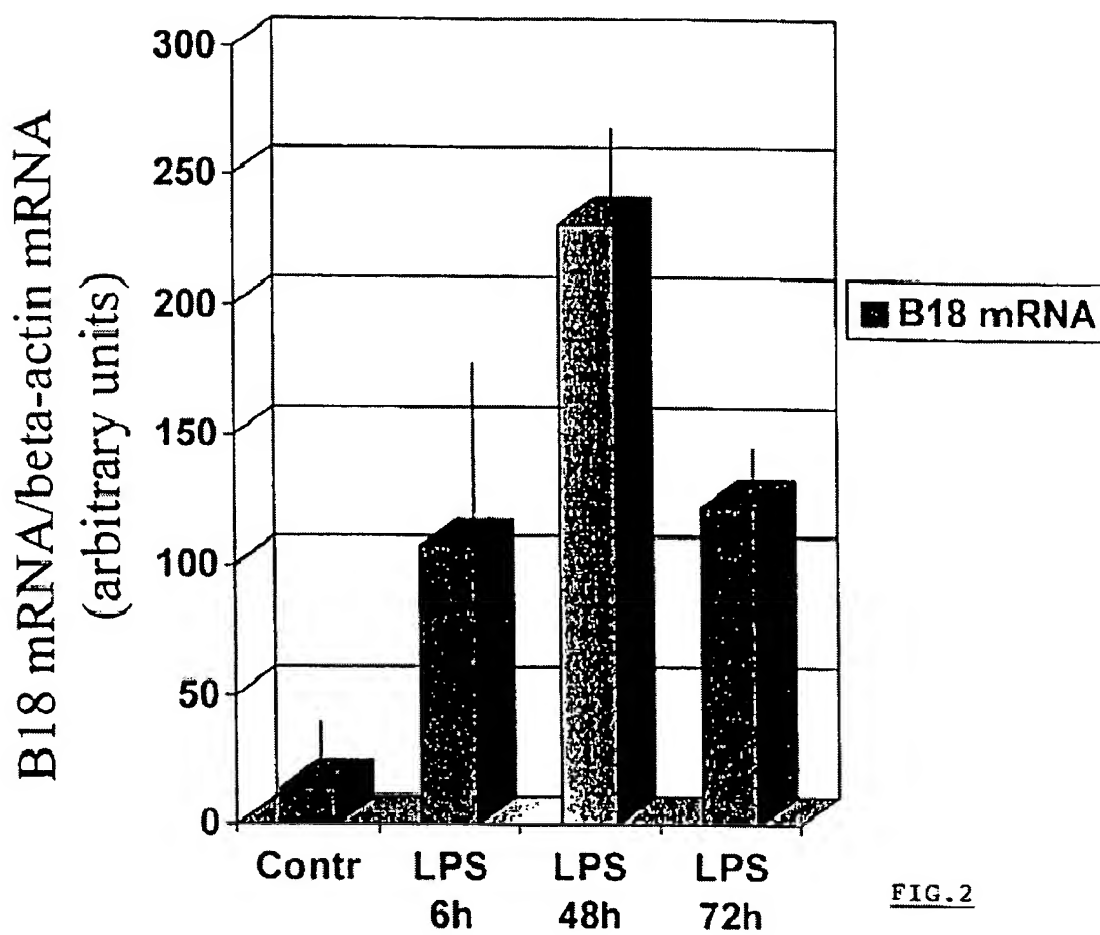
PEROXISOME-ASSOCIATED POLYPEPTIDE, NUCLEOTIDE  
SEQUENCE ENCODING SAID POLYPEPTIDE AND THEIR USES...

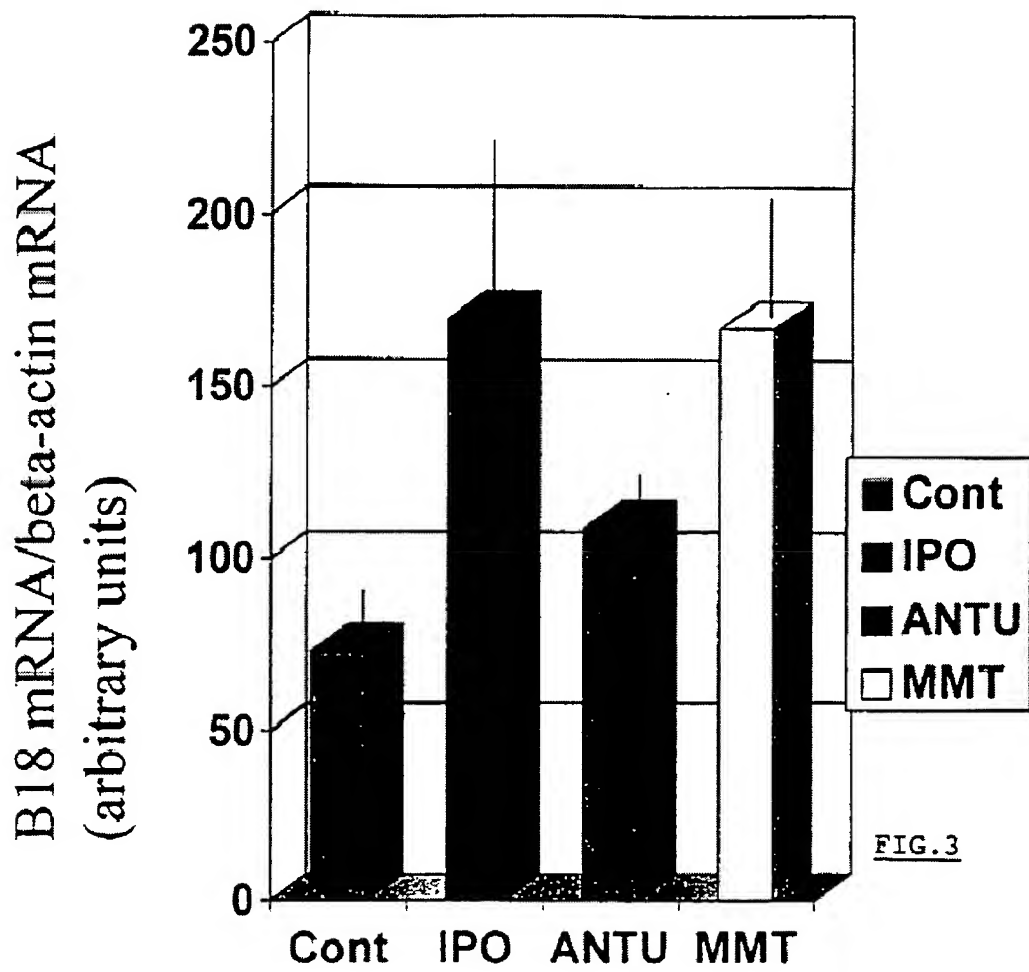
Knoops, et al.

Appl. No.: Unknown

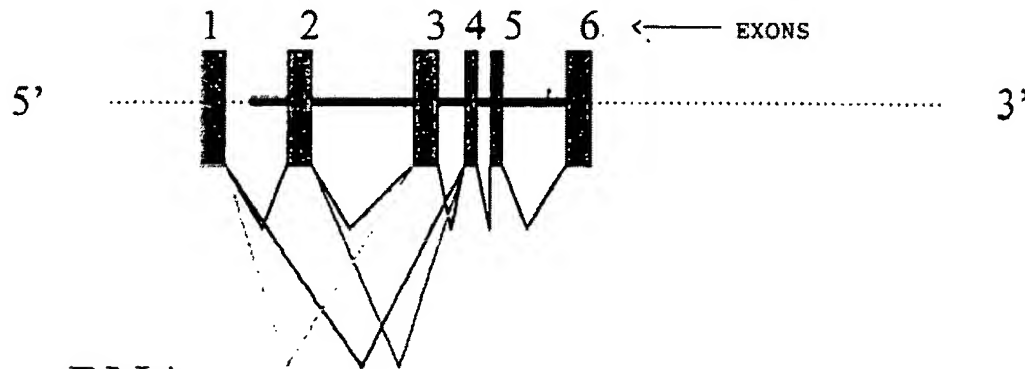
Atty Docket: DECLE30.001CP1



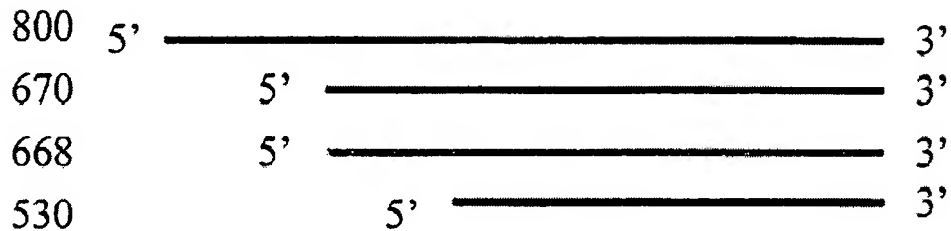




## Gene (chromosome 11q12-13)



## mRNAs



## Proteins

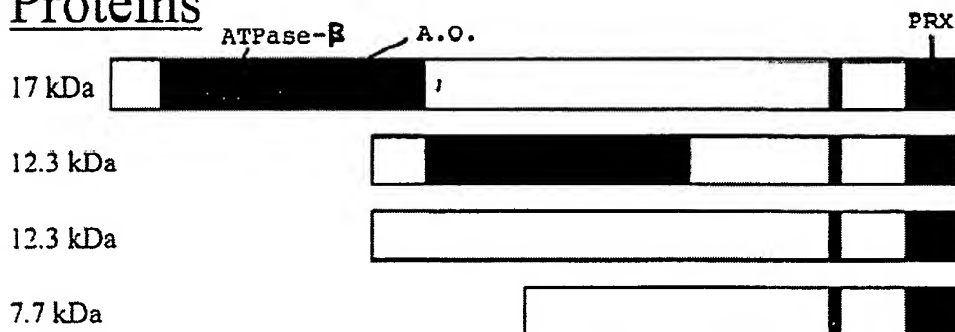


FIG. 4

## Knoops, et al.

Atty Docket: DECLE30.00/CP/

```

B18hum      GCGGTCAGTCTGCGGGCAGCGGCAGCAAGACGGTGCAGTGAAGGACAGTGG
B18rat      -----GTGCGTGGCAGGCAGAGCAGGCCGG---AAAGGAGCAGGTTGG
              * * * * *

```

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Atty Docket: DECLE30.001CPI

B18hum CCGTCTGGCCGGGTCGCCAGTTTACAGCAGAGCCGCTGCAGCCATGGCCCC  
B18rat GAGTGTGGTGGGGCCCAGACTTCAGCAGTGCCGCGGTGACTATGGCCCC  
\* \* \* \* \*

B18hum AATCAAGGTGGGAGATGCCATCCAGCAGTGGAGGTGTTTGAAGGGGAGC  
B18rat GATCAAGGTGGGAGACACCATTCCCTCAGTGGAGGTATTGAAGGGGAAC  
\*\*\*\*\*

B18hum CAGGGAACAAGGTGAACCTGGCAGAGCTGTTCAAGGGCAAGAAGGTTGTG  
B18rat CTGGAAAGAAGGTGAACTTGGCAGAGCTGTTCAAGGACAAGAAAGTTGT  
\* \* \* \*

B18hum CTCGTTTGGAGTTCCTGGGGCCTTACCCTCGGATGTTCCAAGACACACT  
B18rat TTGTTTGGAGTCCCTGGGGCATTTACACTGGCTGTTCCAAGACCCATCT  
\*\*\*\*\*

B18hum GCCAGGGTTTGTGGAGCAGGCTGAGGCTCTGAAGGCCAAGGGAGTCCAGG  
B18rat GCCTGGGTTTGTGGAGCAAGCCGGAGCTCTGAAGGCCAAGGGAGCACAAAG  
\*\* \*\*\*\*\* \*\*

B18hum TGGTGGCCTGTCTGAGTGTTAATGATGCCTTTGTGACTGGCGAGTGGGGC  
B18rat TGTTGGCCTGTCTGAGTGTTAATGATGTCTTCGTGACTGCAGAGTGGGGT  
\*\*\*\*\*

B18hum CGAGCCCACAAGGCCGAAGGCAAGGTTCCGGCTCCTGGCTGATCCCACTGG  
B18rat CGAGCCCACCAGGCAGAAGGCAAGGTTCAAGCTCCTGGCTGACCCCACTGG  
\*\*\*\*\*

B18hum GGCTTTGGGAAGGAGACAGACTTATTACTAGATGATTGCTGGTGTCCA  
B18rat AGCTTTGGAAAGGAGACAGATTACTACTAGATGATTCTTTGGTGTCTC  
\* \* \* \* \*

B18hum TCCTTTGGGAATCGACGCTCTCAAGAGGTTCTCCATGGTGGTACAGGATGGC  
B18rat TCCTTTGGGAATCGTCGGCTAAAAAGGTTCTCCATGGTGATAGACAAGGGC  
\*\*\*\*\*

B18hum ATAGTGAAGGCCCTGAATGTGGAACCAGATGGCACAGGCCTCACCTGCAG  
B18rat GTAGTAAGGCACTGAACGTGGAGCCGGATGGCACAGGCCTCACCTGCAG  
\*\*\* \*\* \*

B18hum CCTGGCACCAATATCATCTCACAGCTCTGAGGCCCTGGGCCAGATTACT  
B18rat CCTGGCCCCAACATPCTCTCAAACTCTGAGGCCCTGA--CCAGA--ATG  
\*\*\*\*\*

B18hum TCCTCCACCCCTCCCTATCTCACCTGCCAGCCCTGTGCTGG--GGCCCTG  
B18rat TCCTCTGACTCTCCC--ATCTCCTCCACCCAGCTCTGGGCCAAAGGCCAG  
\*\*\*\* \*

B18hum CA-----ATTGGAATG-----TTGGCCAGATTCTGC  
B18rat TAGCTCCTTACCTGAGGGCCACTGGAATGGAACCTTGACAAATATTCTGC  
\* \*\*\*\*\* \*\* \*

B18hum AATAAACACTTGTGTTTGGGAAAAAAA-----  
B18rat AATAAACAGTT-TAATTTGTGAAAAAAAAAAAAAAAAAAAA  
\*\*\*\*\*

PEROXISOME-ASSOCIATED POLYPEPTIDE, NUCLEOTIDE  
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CLUSTAL V alignment of human and mouse cDNA sequences (Identity: 552/675, 81.8%):

FIG.5c

```

B18hum      GCCAGGAGGCGGAGTGGAACTGGCCGTGGGGCGGGTATGGGACTAGCTGG
B18mouse    -----

B18hum      CGTGTGCGCCCTGAGACGCTCAGCGGGCTATATACTCGTCGGTGGGGCCG
B18mouse    -----TGCTCCGTG-----CATCGACGTGCTTG
                  **** *      * * * * *

B18hum      GCGGTCACTCTGCGGCAGCGGCAGCAAGACGGTGCAGTGAAGGAGAGTGG
B18mouse    GCAGGCAG-----AGCAGGCCGG---AAAGAAGCAGGTTGG
                  * * * * *      * * * * *

B18hum      GCGTCTGGCGGGTCCGCAGTTTCAGCAGAGCCGCTGCAGCCATGGCCCC
B18mouse    GAGTGTGGCGAGCCCCGAGCTTCAGCAGCTCCGCGGTGACCATGGCCCC
                  * * * * * * * * * * * * * * * *

B18hum      AATCAAGGTGGGAGATGCCATCCCAGCAGTGGAGGTGTTTGAAGGGGAGC
B18mouse    GATCAAGGTGGGAGATGCCATTCCTCAGTGGAGGTATTTGAAGGGGAAC
                  * * * * * * * * * * * * * * * *

B18hum      CAGGGAACAAGGTGAACCTGGCAGAGCTGTTCAAGGGCAAGAAGGGTGTG
B18mouse    CGGGAAGAAGGTGAACCTGGCAGAGCTGTTCAAGGGCAAGAAGGTGTT
                  * * * * * * * * * * * * * * * *

B18hum      CTGTTTGGAGTTCCTGGGGCCTTCACCCCTGGATGTTCCAAGACACACCT
B18mouse    TTGTTTGGAGTTCCTGGGGCATTTCACCTGGCTGTTCTAAGACCCACCT
                  * * * * * * * * * * * * * * * *

B18hum      GCCAGGGTTTGTGGAGCAGGCTGAGGCTCTGAAGGCCAAGGGAGTCCAGG
B18mouse    GCCTGGGTTTGTGGAGCAAGCTGGAGCTCTGAAGGCTAAGGGAGCGCAGG
                  * * * * * * * * * * * * * * * *

B18hum      TGGTGGCCTGTCTGAGTGTAAATGATGCTTTGTGACTGGCGAGTGGGGC
B18mouse    TGGTGGCCTGTCTGAGCGTAAATGACGCTTTGTGATTGAAGAGTGGGGT
                  * * * * * * * * * * * * * * * *

B18hum      CGAGCCCACAAGGCGGAAGGCAAGGTTGGGCTCCTGGCTGATCCCACTGG
B18mouse    CGAGCCCACAGGCAGAGCAAGGTTGGGCTCCTGGCTGACCCCACTGG
                  * * * * * * * * * * * * * * * *

B18hum      GGCCTTTGGGAAGGAGACAGACTTATTACTAGATGATTCGCTGGTGTCCA
B18mouse    AGCCTTTGGGAAGGCGACAGACTTATTATTGGATGATTCCTTGGTGTCTC
                  * * * * * * * * * * * * * * * *

B18hum      TCTTTGGGAATCGACGTCTCAAGAGGTTCTCCATGGTGGTACAGGATGGC
B18mouse    TCTTTGGGAATCGTGGGCTGAAAAGGTTCTCCATGGTATAGACAACGGC
                  * * * * * * * * * * * * * * * *

B18hum      ATAGTGAAGGCCCTGAATGTGGAACCAGATGGCACAGGCCTCACCTGCAG
B18mouse    ATAGTGAAGGCACTGAACGTGGAGCCAGATGGCACAGGCCTCACCTGCAG
                  * * * * * * * * * * * * * * * *

B18hum      CCTGGCACCCCAATATCATCTCACAGCTCTGAGGCCCTGGGCCAGATTACT
B18mouse    CCTGGCCCCCAACATCCTCTCCCAACTCTGAGGCCCTGG-CCAGATG---
                  * * * * * * * * * * * * * * * *

B18hum      TCCTCCACCCCTCCCTATCTCACCTGCCAGCCCTGTGCTGGGGCCCTGC
B18mouse    TCCTCTGACTCTCC-ATCTCTCCACCCGGCTCT-----AGGCC---
                  * * * * * * * * * * * * * * * *

B18hum      AATTGGAATGTTGGCCAGATTTCTGCAATAAACACTTGTGGTTTGGCGAA
B18mouse    ---AAAGGCTCGGTACCTCCTTACTGGGAGC-CACGT-----
                  * * * * * * * * * * * * * * * *

```

Fig. 6.

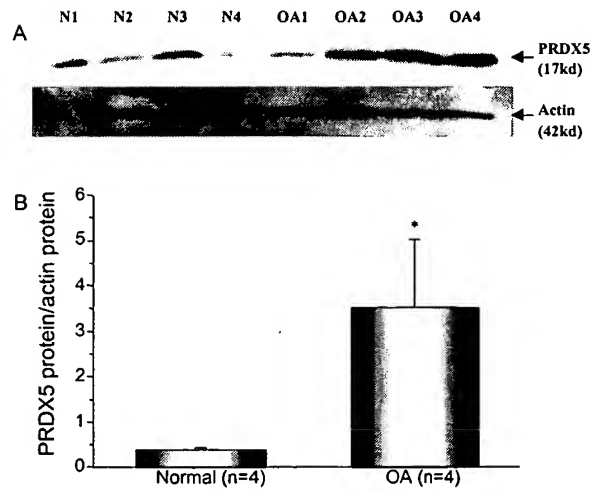


Fig. 7.

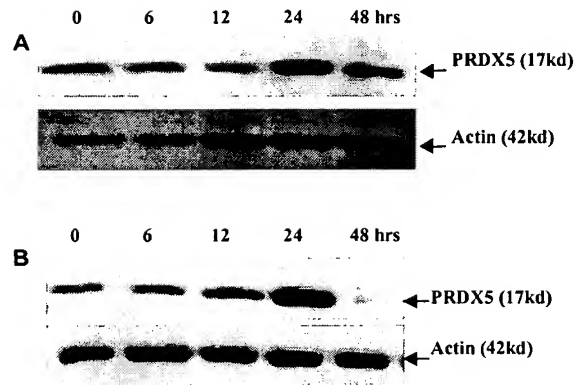




Fig. 8.

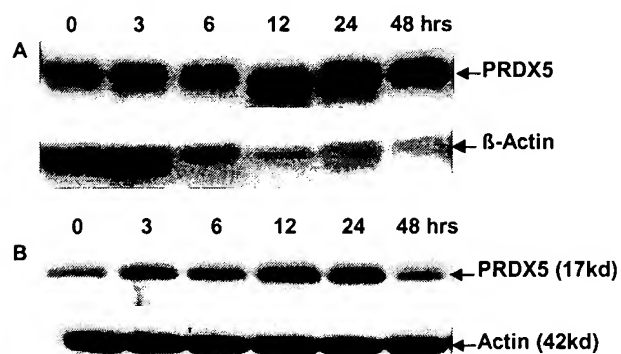
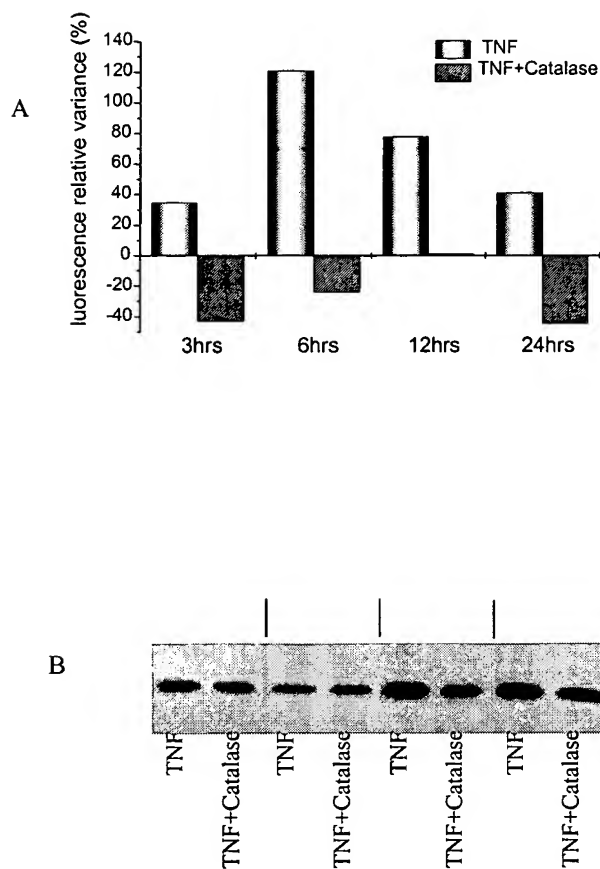


Fig. 9.



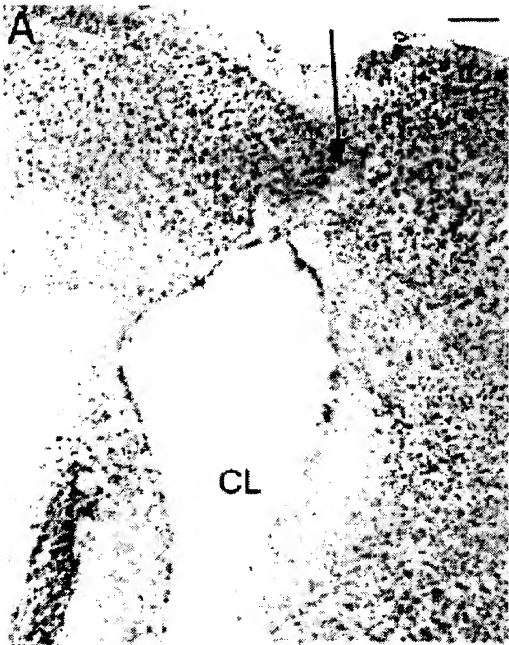


Fig. 10



Fig. 11

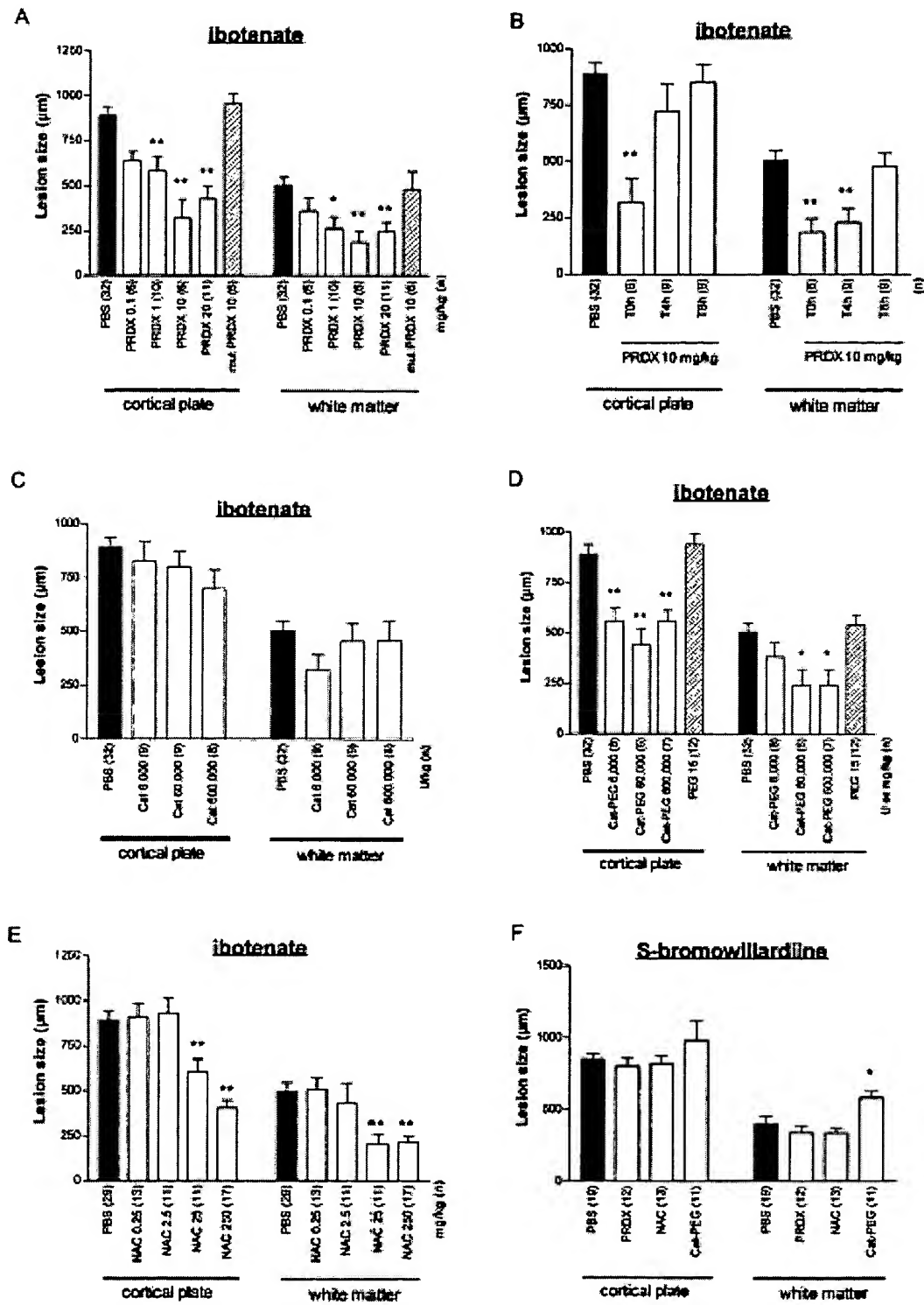


Fig. 12

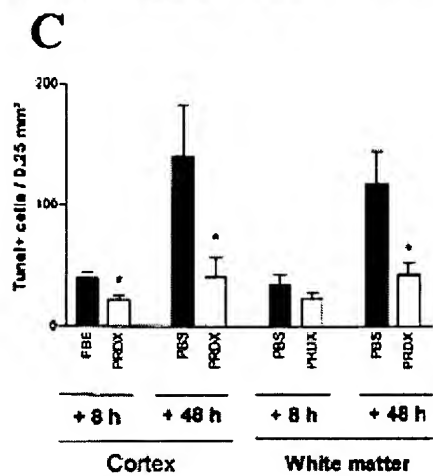
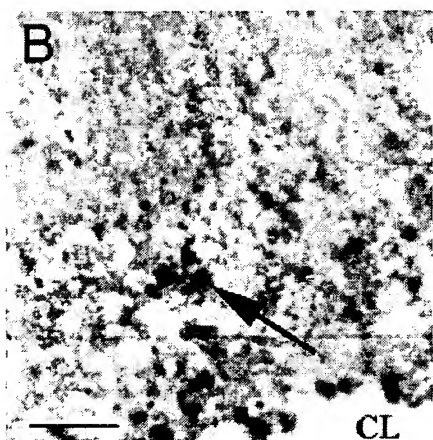
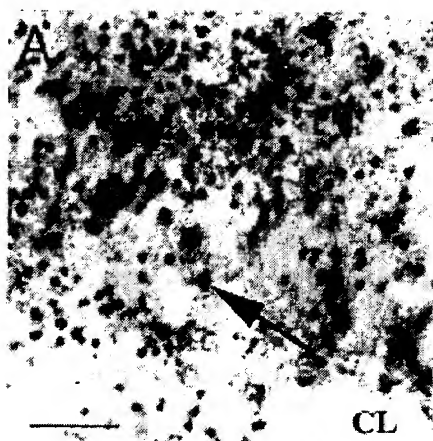
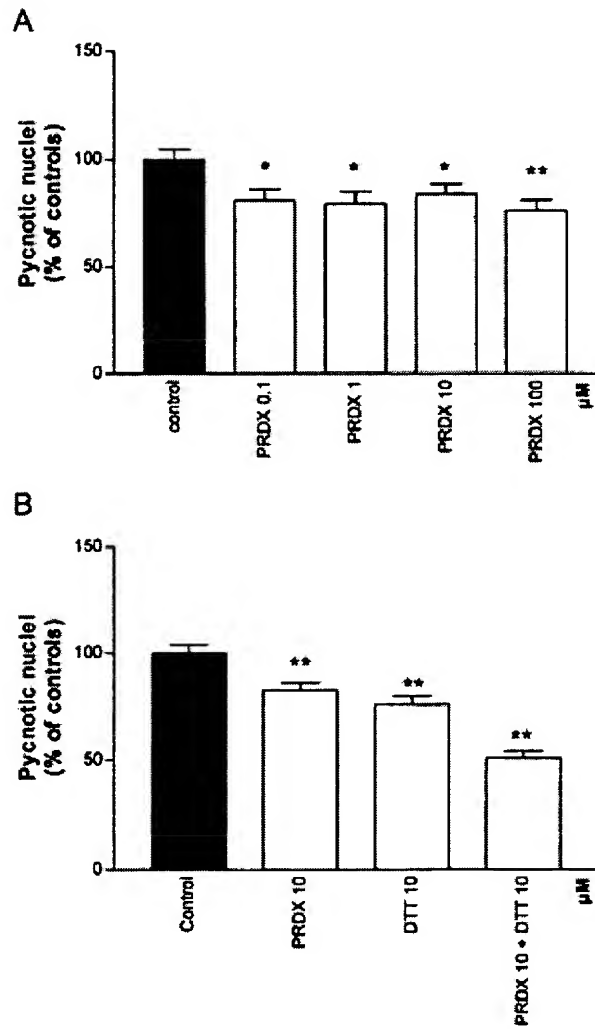


Fig. 13



*PEROXISOME-ASSOCIATED POLYPEPTIDE, NUCLEOTIDE  
SEQUENCE ENCODING SAID POLYPEPTIDE AND THEIR USES...*

*Knoops, et al.*

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Fig. 14

